

ABSTRACT OF THE DISCLOSURE

To dynamically and efficiently generate URL for a complex remote procedure call composed by combining plural procedure servers in WWW resource space, a hyperobject is provided with a URL generation rule storage section for storing a URL generation rule for generating URL as a procedure calling expression, an attribute storage section for storing an attribute value and a link storage section for storing link information of the other hyperobjects. The URL generation rule is described according to a predetermined syntax rule for describing a URL generation rule element for the reference to an attribute value and a link. The hyperobject includes procedures that interprets the URL generation rule and refers to a value of an attribute included as a generation rule element and processing for acquiring each of the result of the generation of URL in a linked hyperobject. The processing is activated in response to a request for generating URL and a procedure calling expression in a URL format is dynamically generated. A request for generating URL is reflexively issued to a linked hyperobject.